

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Daniel Howell Examiner #: 60303 Date: 2-2-04
 Art Unit: 3722 Phone Number 308-1728 Serial Number: 09/159584 Reissue 09/8782
 Mail Box and Bldg/Room Location: CP2/10D16 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Two piece rotary metal cutting tool and method for interconnecting the two
 Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

LITIGATION SEARCH
 for US 5,971,673

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Solomon</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>305-5932</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>CP2 2C08</u>	Structure (#) _____	Questel/Orbit <u>\$22.95</u>
Date Searcher Picked Up: <u>2-3-04</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>2-3-04</u>	Litigation <u>✓</u>	<u>Lexis/Nexis</u>
Searcher Prep & Review Time: <u>6</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>5</u>	Other _____	Other (specify) _____



STIC Search Report

EIC 3700

STIC Database Tracking Number: 113387

TO: Daniel Howell
Location: cp2 10d16
Art Unit: 3722
Tuesday, February 03, 2004

Case Serial Number: 09/878240

From: Terry Solomon
Location: EIC 3700
CP2-2C08
Phone: 305-5932

Terrance.solomon@uspto.gov

Search Notes

No litigation found.

Sources: Lexis/Nexis and Questel-Orbit

159584 (00) 5971673 October 26, 1999

109C25

Print Request: Current Document: 1

Time of Request: February 03, 2004 08:52 AM EST

Research Information:

Utility, Design and Plant Patents

patno=5971673

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5971673

October 26, 1999

Two-piece rotary metal-cutting tool and method for interconnecting the pieces

REISSUE: Reissue Application filed May 12, 2001 (O.G. Aug. 14, 2001) Ex. Gp.: 3722; Re. S.N. 09/878,240, (O.G. August 14, 2001)

APPL-NO: 159584 (00)

FILED-DATE: September 24, 1998

GRANTED-DATE: October 26, 1999

LEGAL-REP: Burns, Doane, Swecker & Mathis, L.L.P.

ENGLISH-ABST:

A tool includes a tool body and a cutting portion detachably mounted thereon, the tool being rotatable about a longitudinal center axis. The tool body includes flutes formed in an outer surface thereof, and a pair of forward projections at a front end thereof. The cutting portion includes front flutes formed in an external side thereof, and a pair of recesses extending circumferentially in communication with respective ones of the front flutes. To connect the cutting portion to the tool body, the cutting portion and tool body are converged longitudinally so that the projections enter the front flutes. Then, relative rotation is produced between the cutting portion and tool body to align the front flutes with the rear flutes while causing the projections to enter the recesses and form therewith a bayonet coupling.

Selected file: PLUSPAT

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Comprehensive Worldwide Patents database

**** SS 1: Results 1**

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image
PN - US5971673 A 19991026 [US5971673]
TI - (A) Two-piece rotary metal-cutting tool and method for
interconnecting the pieces
PA - (A) SECO TOOLS AB (SE)
PAO - Seco Tools AB, Fagersta [SE]
IN - (A) BERGLUND MATTIAS (SE); LUNDBERG FREDRIK (SE); SVENSSON
INGELA (SE)
AP - US15958498 19980924 [1998US-0159584]
FD - Cont. of US929462 19970915 [1997US-0929462]
PR - SE9603325 19960913 [1996SE-0003325]
US15958498 19980924 [1998US-0159584]
US92946297 19970915 [1997US-0929462]
IC - (A) B23B-051/00
EC - B23B-051/02
PCL - ORIGINAL (O) : 408001000R; CROSS-REFERENCE (X) : 076108600
408144000 408226000 408230000 408231000
DT - Basic
CT - US-932071; US2259611; US2935906; US3359837; US3548688; US4950108;
US5399051; EP0118806; DE367010
STG - (A) United States patent
AB - A tool includes a tool body and a cutting portion detachably
mounted thereon, the tool being rotatable about a longitudinal
center axis. The tool body includes flutes formed in an outer
surface thereof, and a pair of forward projections at a front end
thereof. The cutting portion includes front flutes formed in an
external side thereof, and a pair of recesses extending
circumferentially in communication with respective ones of the
front flutes. To connect the cutting portion to the tool body, the
cutting portion and tool body are converged longitudinally so
that the projections enter the front flutes. Then, relative
rotation is produced between the cutting portion and tool body to
align the front flutes with the rear flutes while causing the
projections to enter the recesses and form therewith a bayonet
coupling.

1 / 1 LGST - @EPO
PN - US5971673 A 19991026 [US5971673]
AP - US15958498 19980924 [1998US-0159584]
ACT - 20010814 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20010512
UP - 2003-22

1 / 1 CRXX - @CLAIMS/RRX
PN - 5,971,673 A 19991026 [US5971673]
PA - Seco Tools AB SE
ACT - 20010512 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010814
REISSUE REQUEST NUMBER: 09/878240
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3722

Reissue Patent Number:

Selected file: INPADOC

You are now connected to INPADOC
Covers 1968/1973 thru weekly updates (2004-05)

**** SS 1: Results 16**

1 / 16 INPADOC - @INPADOC

PN - CN 1086619 B 20020626 [CN1086619]
TI - TOOL FOR CUTTING MACHINING AND ASSEMBLY METHOD THEREOF
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]
PA - SECO TOOLS AB [SE]
AP - CN 97191245/97-A 19970909 [1997CN-0191245]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/00; B23B-051/02

2 / 16 INPADOC - @INPADOC

PN - CN 1204976 A 19990113 [CN1204976]
TI - TOOL FOR CUTTING MACHINING
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]
PA - SECO TOOLS AB [SE]
AP - CN 97191245/97-A 19970909 [1997CN-0191245]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/00; B23B-051/02

3 / 16 INPADOC - @INPADOC

PN - DE 69726835 C0 20040129 [DE69726835]
TI - WERKZEUG FR SCHNEIDMASCHINEN
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]
PA - SECO TOOLS AB PUBL FAGERSTA [SE]
AP - DE 69726835/97-A 19970909 [1997DE-6026835]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]
IC - B23B-051/00; B23B-051/02

1 / 1 LEGALI - @EPO

PN - EP0874706 A1 19981104 [EP-874706]EP0874706 B1 20031217 [EP-874706]
AP - EP97940513 19970909 [1997EP-0940513]
ACTE- 19981104 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

19981104 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19980219

20000126 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 19991214

20030813 EP/RIN1-A
INVENTOR (CORRECTION)
BERGLUND, MATTIAS

20030813 EP/RIN1-A
INVENTOR (CORRECTION)
LUNDBERG, FREDRIK

20030813 EP/RIN1-A
INVENTOR (CORRECTION)
SVENSSON, INGELA

20031217 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

20031217 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20040129 EP/REF-A
CORRESPONDS TO:
(DE 69726835 20040129 [DE69726835])

UP - 2004-05

4 / 16 INPADOC - ©INPADOC

PN - EP 1013367 A2 20000628 [EP1013367]
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING
THE PIECES
LA - ENG
IN - BERGLUND MATTIAS [SE]; SVENSSON INGELA [SE]; LUNDBERG FREDRIK [SE]
PA - SECO TOOLS AB [SE]
AP - EP 99123415/99-A 19970909 [1999EP-0123415]
PR - EP 97940513/97-A3 19970909 [1997EP-0940513]
SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/02; B23B-051/04
DS - DE* FR* GB* IT* SE*

1 / 1 LEGALI - ©EPO

PN - EP1013367 A2 20000628 [EP1013367]EP1013367 A3 20030709 [EP1013367]
AP - EP99123415 19970909 [1999EP-0123415]
ACTE- 20000628 EP/AC-A
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 874706 [EP-874706])

20000628 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

20030709 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

UP - 2004-01

5 / 16 INPADOC - ©INPADOC

PN - EP 1013367 A3 20030709 [EP1013367]
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING
THE PIECES
LA - ENG
IN - BERGLUND MATTIAS [SE]; SVENSSON INGELA [SE]; LUNDBERG FREDRIK [SE]

PA - SECO TOOLS AB [SE]
AP - EP 99123415/99-A 19970909 [1999EP-0123415]
PR - EP 97940513/97-A3 19970909 [1997EP-0940513]
SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/02; B23B-051/04
DS - DE* FR* GB* IT* SE*

1 / 1 LEGALI - @EPO

PN - EP1013367 A2 20000628 [EP1013367]EP1013367 A3 20030709 [EP1013367]
AP - EP99123415 19970909 [1999EP-0123415]
ACTE- 20000628 EP/AC-A
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 874706 [EP-874706])

20000628 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

20030709 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

UP - 2004-01

6 / 16 INPADOC - @INPADOC

PN - EP 874706 B1 20031217 [EP-874706]
TI - TOOL FOR CUTTING MACHINING
OUTIL POUR MACHINE DE COUPE
WERKZEUG FR SCHNEIDMASCHINEN
LA - ENG
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]
PA - SECO TOOLS AB PUBL [SE]
AP - EP 97940513/97-A 19970909 [1997EP-0940513]
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]
SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/00; B23B-051/02
DS - DE* FR* GB* IT* SE*

1 / 1 LEGALI - @EPO

PN - EP0874706 A1 19981104 [EP-874706]EP0874706 B1 20031217 [EP-874706]
AP - EP97940513 19970909 [1997EP-0940513]
ACTE- 19981104 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

19981104 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19980219

20000126 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 19991214

20030813 EP/RIN1-A
INVENTOR (CORRECTION)
BERGLUND, MATTIAS

20030813 EP/RIN1-A

INVENTOR (CORRECTION)
LUNDBERG, FREDRIK

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INVENTOR (CORRECTION)
SVENSSON, INGELA

20031217 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

20031217 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20040129 EP/REF-A
CORRESPONDS TO:
(DE 69726835 20040129 [DE69726835])

UP - 2004-05

7 / 16 INPADOC - ©INPADOC
PN - EP 874706 A1 19981104 [EP-874706]
TI - TOOL FOR CUTTING MACHINING
LA - ENG
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]
PA - SECO TOOLS AB PUBL [SE]
AP - EP 97940513/97-A 19970909 [1997EP-0940513]
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]
SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/00; B23B-051/02
DS - DE* FR* GB* IT* SE*

1 / 1 LEGALI - ©EPO
PN - EP0874706 A1 19981104 [EP-874706]EP0874706 B1 20031217 [EP-874706]
AP - EP97940513 19970909 [1997EP-0940513]
ACTE- 19981104 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

19981104 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19980219

20000126 EP/17Q-A [+]
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EFFECTIVE DATE: 19991214

20030813 EP/RIN1-A
INVENTOR (CORRECTION)
BERGLUND, MATTIAS

20030813 EP/RIN1-A
INVENTOR (CORRECTION)
LUNDBERG, FREDRIK

20030813 EP/RIN1-A
INVENTOR (CORRECTION)
SVENSSON, INGELA

20031217 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB IT SE

20031217 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20040129 EP/REF-A
CORRESPONDS TO:
(DE 69726835 20040129 [DE69726835])

UP - 2004-05

8 / 16 INPADOC - ©INPADOC
PN - HK 1017297 A1 20030228 [HK1017297]
TI - TOOL FOR CUTTING MACHINING AND THE METHOD OF MOUNTING IT
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA
PA - SECO TOOLS AB [SE]
AP - HK 99102637/99-A 19990621 [1999HK-0102637]
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]
SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-000/00

9 / 16 INPADOC - ©INPADOC
PN - JP 2000500076 T2 20000111 [JP2000500076]
AP - JP 511570/97-A 19970909 [1997JP-0511570]
PR - WO 9701509/97(SE)-W 19970909 [1997WO-SE01509]
SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/00

10 / 16 INPADOC - ©INPADOC
PN - SE 9603325 A0 19960913 [SE9603325]
TI - VERKTYG FOER SKAERANDE BEARBETNING
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA
PA - SECO TOOLS AB [SE]
AP - SE 9603325/96-A 19960913 [1996SE-0003325]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-000/00

11 / 16 INPADOC - ©INPADOC
PN - SE 9603325 A 19980314 [SE9603325]
TI - VERKTYG FOER SKAERANDE BEARBETNING
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA
PA - SECO TOOLS AB [SE]
AP - SE 9603325/96-A 19960913 [1996SE-0003325]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/02

12 / 16 INPADOC - ©INPADOC
PN - SE 511429 C2 19990927 [SE-511429]
TI - VERKTYG, SKAERDEL, VERKTYGSKROPP FOER SKAERANDE BEARBETNING SAMT
METOD FOER MONTERING AV SKAERDEL TILL VERKTYGSKROPP
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA

PA - SECO TOOLS AB [SE]
AP - SE 9603325/96-A 19960913 [1996SE-0003325]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/02

13 / 16 INPADOC - ©INPADOC
PN - US 2001033780 AA 20011025 [US20010033780]
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING
THE PIECES
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRICK [SE]; ARBRINK INGELA [SE]
PA - BERGLUND MATTIAS [SE]; LUNDBERG FREDRICK [SE]; ARBRINK INGELA [SE]
AP - US 878240/01-A 20010612 [2001US-0878240]
PR - US 878240/01-A 20010612 [2001US-0878240]
SE 9603325/96-A 19960913 [1996SE-0003325]
US 929462/97-A1 19970915 [1997US-0929462]
IC - B23G-005/00

14 / 16 INPADOC - ©INPADOC
PN - US 5971673 A 19991026 [US5971673]
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING
THE PIECES
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]
PA - SECO TOOLS AB [SE]
AP - US 159584/98-A 19980924 [1998US-0159584]
PR - US 159584/98-A 19980924 [1998US-0159584]
SE 9603325/96-A 19960913 [1996SE-0003325]
US 929462/97-A1 19970915 [1997US-0929462]
IC - B23B-051/00

1 / 1 LEGALI - ©EPO
PN - US5971673 A 19991026 [US5971673]
AP - US15958498 19980924 [1998US-0159584]
ACTE- 20010814 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20010512
UP - 2003-22

15 / 16 INPADOC - ©INPADOC
PN - US 5988953 A 19991123 [US5988953]
TI - TWO-PIECE ROTARY METAL-CUTTING TOOL AND METHOD FOR INTERCONNECTING
THE PIECES
IN - BERGLUND MATTIAS [SE]; LUNDBERG FREDRIK [SE]; SVENSSON INGELA [SE]
PA - SECO TOOLS AB [SE]
AP - US 929462/97-A 19970915 [1997US-0929462]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/00

16 / 16 INPADOC - ©INPADOC
PN - WO 9810881 A1 19980319 [WO9810881]
TI - TOOL FOR CUTTING MACHINING
LA - ENG
IN - BERGLUND MATTIAS; LUNDBERG FREDRIK; SVENSSON INGELA
PA - SECO TOOLS AB PUBL [SE]

AP - WO SE 9701509/97(SE)-A 19970909 [1997WO-SE01509]
PR - SE 9603325/96-A 19960913 [1996SE-0003325]
IC - B23B-051/00; B23B-051/02
DS - CN* JP* KR* AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1 / 1 LEGALI - ©EPO

PN - WO9810881 A1 19980319 [WO9810881]

AP - WOSE9701509 19970909 [1997WO-SE01509]

ACTE- 19980318 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:

(JP 1998 511570A [JP1998 511570])

19980319 WO/AK [+]

DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH
REPORT

CN JP KR

19980319 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED
APPLICATION WITH SEARCH REPORT

AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19980715 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN
THIS APPLICATION

UP - 2003-22

Session finished: 03 FEB 2004 Time 15:01:14

QUESTEL. ORBIT thanks you. Hope to hear from you again soon.